
U.S. Department of the Interior • U.S. Geological Survey

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MANGANESE IN JULY 1997

In July, reported consumption of manganese ore containing 35% or more manganese, exclusive of that at iron and steel plants, was 36,900 metric tons, which was an increase of about 15% compared with that of the previous month, according to the U.S. Geological Survey. This ended a 3-month decline and brought the revised year to date total to 259,000 tons. These figures increase to 42,000 and 293,000 when estimates for annual respondents are added on the basis of 1996 data. Corresponding industry stocks of ore at the end of the month were 212,000 tons, which includes an estimate for annual respondents based on 1996 data. This was a decrease of nearly 10% in comparison with the corresponding figure for stocks at the end of June. (Data for the most recent 13 months are graphed on page 2.)

The next report of data on domestic consumption and stocks of manganese ferroalloys and metals will pertain to the April through June quarter of 1997.

Foreign trade data for July will appear in a subsequent report. According to the data for June tabulated in this report, receipts of manganese dioxide were the least since December 1990. Imports of manganese dioxide have declined for 3 successive months, particularly because of decreasing imports from Australia. **Note:** For early availability, the trade data appearing in this report are being placed on Faxback in preliminary form. The data for June were placed on Faxback as of September 3. The Faxback document number for these tables was 420206.

The Defense Logistics Agency (DLA), U.S. Department of Defense, reported for July cash disposals from the National Defense Stockpile of 20,144 tons of metallurgical-grade ore and 633 tons of natural battery-grade ore. The disposal of metallurgical-grade ore consisted of 19,958 tons from modification of an existing contract, 163 tons to American Minerals Inc., King of Prussia, PA, and 23 tons to Cameron

Chemical, Chesapeake, VA. The disposal of natural battery-grade ore consisted of 454 tons from modification of an existing contract and 180 tons to The Prince Manufacturing Co., Quincy, IL.

The ownership of Samancor Ltd., a South African company that is a major miner and smelter of manganese, was restructured through the actions of Gencor Ltd., a 52.6% shareholder in Samancor and also a South African company. Gencor created Billiton Plc, a wholly-owned subsidiary incorporated in the United Kingdom, to whom Gencor sold its non-precious metals assets, including its shares in Samancor. The sale was effective as of July 1; other actions related to the restructuring were scheduled to be completed by mid-September (Gencor Ltd., 1997).

Update

In early August, the Generalized System of Preferences (GSP) program was approved by Congress through June 30, 1998, to include its retroactive extension to May 31, 1997, when it had been allowed to expire. The Act also provided for reimbursement of duties paid during the period of time that the GSP program had lapsed (Platt's Metals Week, 1997). Import categories of manganese materials that may be affected by this development included manganese dioxide, permanganate, and sulfate; low- and medium-carbon ferromanganese; silicomanganese; and metal, other.

References Cited

- Gencor Ltd., 1997, Circular to shareholders of the company [June 25]: Johannesburg, South Africa, 149 p.
Platt's Metals Week, 1997, Clinton approves duty-free provision: Aug. 11, 1997, p. 10.

TABLE 1
SELECTED U.S. FOREIGN TRADE IN MANGANESE 1/

(Metric tons, manganese content) 2/

| | Imports for consumption | | | Exports | | |
|--------------|-------------------------|----------------------|---------|---------|----------------------|--------|
| | Ore and dioxide | Ferroalloy and metal | Total | Ore | Ferroalloy and metal | Total |
| 1996: | | | | | | |
| June | 30,400 | 45,000 | 75,400 | 2,550 | 1,230 | 3,780 |
| January-June | 114,000 | 284,000 | 397,000 | 8,440 | 9,570 | 18,000 |
| 1997: | | | | | | |
| January | 14,900 3/ | 25,400 | 40,300 | 3,450 | 1,370 | 4,820 |
| February | 21,000 3/ | 22,300 | 43,300 | 2,580 | 1,060 | 3,630 |
| March | 18,100 3/ | 41,800 3/ | 59,900 | 2,920 | 1,270 | 4,190 |
| April | 2,700 | 42,700 3/ | 45,400 | 2,110 | 2,860 | 4,960 |
| May | 1,200 3/ | 20,700 3/ | 21,900 | 2,740 | 2,400 | 5,150 |
| June | 8,090 3/ | 33,400 3/ | 41,500 | 2,820 | 1,820 | 4,640 |
| Total | 66,000 | 186,000 | 252,000 | 16,600 | 10,800 | 27,400 |

1/ Data are rounded to three significant digits; may not add to totals shown.

2/ As reported except as estimated for imports of manganese dioxide and manganese waste and scrap and for exports from gross weights.

3/ All or part of these data have been referred to the Bureau of the Census for verification.

Source: Bureau of the Census.

TABLE 2
U.S. IMPORTS FOR CONSUMPTION OF SILICOMANGANESE IN JUNE 1997 1/

(Metric tons)

| Source | Gross weight | Mn content | Customs value | Year to date | | |
|------------------------|--------------|------------|---------------|--------------|------------|---------------|
| | | | | Gross weight | Mn content | Customs value |
| Australia | 7,350 | 4,860 | \$3,310,000 | 29,100 | 20,000 | \$12,700,000 |
| Georgia | -- | -- | -- | 2,440 | 1,710 | 1,360,000 |
| India | 1,540 | 1,070 | 683,000 | 16,200 | 10,900 | 7,670,000 |
| Mexico | 4,400 | 2,880 | 2,090,000 | 19,000 | 12,400 | 9,000,000 |
| Norway | -- | -- | -- | 277 | 169 | 267,000 |
| Romania | 2,000 | 1,310 | 980,000 | 2,000 | 1,310 | 980,000 |
| Russia | -- | -- | -- | 2,480 | 1,820 | 1,920,000 |
| South Africa | 2,540 | 1,720 | 1,190,000 | 33,400 | 22,600 | 15,500,000 |
| Spain | -- | -- | -- | 1,200 | 750 | 1,020,000 |
| Venezuela | -- | -- | -- | 13,200 | 8,630 | 5,880,000 |
| Total | 17,800 | 11,800 | 8,260,000 | 119,000 | 80,300 | 56,200,000 |
| Total, general imports | 17,800 | 11,800 | 8,260,000 | 117,000 | 78,600 | 54,800,000 |

1/ Data are rounded to three significant digits; may not add to totals shown.

Source: Bureau of the Census.

TABLE 3
U.S. IMPORTS FOR CONSUMPTION OF FERROMANGANESE IN JUNE 1997 1/

(Metric tons)

| Source | Gross weight | Mn content | Customs value | Year to date | | |
|---|--------------|------------|---------------|--------------|------------|---------------|
| | | | | Gross weight | Mn content | Customs value |
| Low carbon: | | | | | | |
| Italy | 679 | 608 | \$1,030,000 | 2,430 | 2,160 | \$3,610,000 |
| Japan | 250 | 225 | 371,000 | 4,060 | 3,310 | 3,610,000 |
| Norway | 4 | 3 | 2,340 | 332 | 154 | 243,000 |
| South Africa | 260 | 237 | 445,000 | 980 | 902 | 1,720,000 |
| Total, low carbon | 1,190 | 1,070 | 1,850,000 | 7,810 | 6,530 | 9,180,000 |
| Total, general imports of low carbon | 1,230 | 1,100 | 1,870,000 | 8,120 | 6,810 | 9,600,000 |
| Medium carbon, 1%-2% C: | | | | | | |
| Brazil | 1,860 | 1,490 | 1,290,000 | 3,680 | 2,970 | 2,590,000 |
| China | -- | -- | -- | 4,320 | 3,510 | 3,360,000 |
| Japan | -- | -- | -- | 5,500 | 4,410 | 3,980,000 |
| Mexico | 2,500 | 1,890 | 1,850,000 | 16,100 | 12,800 | 11,600,000 |
| Norway | 170 | 139 | 115,000 | 639 | 433 | 446,000 |
| South Africa | -- | -- | -- | 120 | 94 | 112,000 |
| Spain | 36 | 29 | 32,600 | 36 | 29 | 32,600 |
| Total, m.c., 1%-2% C | 4,560 | 3,550 | 3,280,000 | 30,400 | 24,200 | 22,100,000 |
| Total, general imports of m.c., 1%-2% C | 4,560 | 3,550 | 3,280,000 | 30,400 | 24,200 | 22,100,000 |
| Medium carbon, 2%-4% C: | | | | | | |
| Canada | -- | -- | -- | 101 | 40 | 13,400 |
| Total, m.c., 2%-4% C | -- | -- | -- | 101 | 40 | 13,400 |
| Total, general imports of medium carbon | -- | -- | -- | 101 | 40 | 13,400 |
| High carbon: | | | | | | |
| Australia | 2,000 | 1,520 | 750,000 | 17,500 | 12,900 | 5,890,000 |
| Brazil | 11,900 | 9,250 | 4,550,000 | 21,600 | 16,600 | 8,190,000 |
| France | 1,500 | 1,170 | 696,000 | 18,700 | 14,500 | 8,090,000 |
| South Africa | 5,080 | 3,990 | 2,070,000 | 31,600 | 24,800 | 13,000,000 |
| Total, high carbon | 20,500 | 15,900 | 8,060,000 | 89,400 | 68,900 | 35,100,000 |
| Total, general imports of high carbon | 20,500 | 15,900 | 8,060,000 | 89,400 | 68,900 | 35,100,000 |
| Grand total | 26,200 | 20,600 | 13,200,000 | 128,000 | 99,700 | 66,400,000 |
| Grand total, general imports | 26,300 | 20,600 | 13,200,000 | 128,000 | 100,000 | 66,900,000 |

1/ Data are rounded to three significant digits; may not add to totals shown.

Source: Bureau of the Census.

TABLE 4
U.S. IMPORTS 1/ OF MANGANESE ORE (20% OR MORE MN) IN JUNE 1997 2/

(Metric tons)

| Source | 20% - 47% Mn | | 47% or more Mn | | Total | |
|---------------|--------------|------------|----------------|------------|--------------|------------|
| | Gross weight | Mn content | Gross weight | Mn content | Gross weight | Mn content |
| Gabon | -- | -- | 2,280 | 1,140 | 2,280 | 1,140 |
| Mexico | 17,600 | 6,530 | 60 | 39 | 17,700 | 6,570 |
| Total | 17,600 | 6,530 | 2,340 | 1,180 | 19,900 | 7,700 |
| Year to date: | | | | | | |
| Australia | -- | -- | 5,490 | 3,210 | 5,490 | 3,210 |
| Belgium | -- | -- | 24 | 22 | 24 | 22 |
| Gabon | -- | -- | 75,800 | 38,700 | 75,800 | 38,700 |
| Mexico | 39,900 | 14,900 3/ | 981 | 653 | 40,900 | 15,500 |
| Morocco | -- | -- | 35 | 18 | 35 | 18 |
| Total | 39,900 | 14,900 | 82,300 | 42,600 | 122,000 | 57,500 |

1/ Quantities for general imports and imports for consumption are identical.

2/ Data are rounded to three significant digits; may not add to totals shown.

3/ Includes U.S. Geological Survey's conversion of part of reported data (from apparent MnO₂ content to Mn content).

Source: Bureau of the Census.

TABLE 5
U.S. IMPORTS FOR CONSUMPTION OF MANGANESE DIOXIDE AND MANGANESE METAL IN JUNE 1997 1/

(Metric tons, gross weight)

| Source | Manganese dioxide | | | | Manganese metal | | | |
|------------------------|-------------------|---------------|--------------|---------------|-----------------|--------------|----------|--------------|
| | Quantity | Customs value | Year to date | | Unwrought | | Other | |
| | | | Quantity | Customs value | Quantity | Year to date | Quantity | Year to date |
| Australia | 61 | \$85,000 | 9,020 | \$12,700,000 | -- | -- | -- | -- |
| Belgium | 73 | 128,000 | 301 | 519,000 | 18 2/ | 18 | -- | -- |
| Brazil | -- | -- | 127 | 177,000 | -- | -- | -- | -- |
| Canada | -- | -- | -- | -- | -- | -- | -- | 1 |
| China | -- | -- | 483 | 574,000 | 134 | 1,070 | -- | 242 |
| France | -- | -- | -- | -- | -- | -- | 15 | 60 |
| Germany | -- | -- | 34 | 177,000 | -- | 24 | -- | 3 |
| Ireland | 480 | 672,000 | 3,070 | 4,330,000 | -- | -- | -- | -- |
| Italy | -- | -- | -- | -- | -- | -- | 5 | 11 |
| Japan | -- | -- | 28 | 50,200 | -- | -- | (3/) | (3/) |
| Mexico | -- | -- | 91 | 154,000 | -- | -- | -- | 2 |
| South Africa | 16 | 24,200 | 966 | 1,360,000 | 773 | 4,480 | -- | -- |
| Ukraine | -- | -- | -- | -- | 40 | 280 | -- | -- |
| United Kingdom | 8 2/ | 92,000 | 8 | 96,200 | -- | -- | -- | (2/) |
| Total | 639 | 1,000,000 | 14,100 | 20,100,000 | 965 | 5,880 | 20 | 319 |
| Total, general imports | 639 | 1,000,000 | 14,200 | 20,300,000 | 995 | 6,050 | 20 | 319 |

1/ Data are rounded to three significant digits; may not add to totals shown.

2/ All or part of these data have been referred to the Bureau of the Census for verification.

3/ Less than 1/2 unit.

Note: Imports for consumption of metallic manganese waste and scrap totaled 5 tons, all of which was from Canada except for 1 kg from the United Kingdom, to give a year to date total of 99 tons.

Source: Bureau of the Census.

TABLE 6
U.S. EXPORTS OF MANGANESE ORE (20% OR MORE MN), FERROMANGANESE, SILICOMANGANESE, AND MANGANESE METAL BY COUNTRIES OF DESTINATION IN JUNE 1997 1/

(Metric tons, gross weight)

| | Manganese ore | | Ferromanganese, 2% or less C | | Silicomanganese | | Manganese metal 2/ | |
|--------------------|---------------|--------------|---------------------------------|--------------|-----------------|--------------|--------------------|--------------|
| | June | Year to date | June | Year to date | June | Year to date | June | Year to date |
| | | | | | | | | |
| Argentina | 60 | 120 | -- | -- | -- | -- | -- | -- |
| Australia | 95 | 237 | -- | -- | -- | -- | -- | -- |
| Belgium | 600 | 4,590 | -- | -- | -- | -- | -- | 363 |
| Brazil | -- | -- | -- | -- | 5 | 9 | 77 | 272 |
| Canada | 148 | 1,330 | 680 | 3,450 | 413 | 2,280 | 105 | 837 |
| Colombia | -- | -- | -- | -- | -- | -- | -- | 3 |
| Egypt | -- | -- | -- | 611 | -- | -- | -- | -- |
| France | -- | 1,350 | -- | -- | -- | -- | 119 | 730 |
| Germany | -- | -- | -- | -- | -- | -- | -- | 85 |
| Hong Kong | -- | -- | -- | -- | -- | -- | -- | 6 |
| India | -- | -- | -- | 10 | -- | -- | -- | -- |
| Israel | -- | 1,840 | -- | -- | -- | -- | -- | -- |
| Italy | -- | 3,110 | -- | -- | -- | -- | -- | -- |
| Japan | -- | -- | 250 | 250 | -- | -- | 102 | 762 |
| Korea, Republic of | 1,500 | 1,500 | -- | -- | -- | -- | 31 | 96 |
| Malaysia | -- | 251 | -- | -- | -- | -- | -- | -- |
| Mexico | 6 | 357 | 23 | 84 | 6 | 183 | 10 | 69 |
| Netherlands | 933 | 10,700 | -- | 3 | 9 | 20 | -- | 528 |
| Norway | 1,730 | 6,680 | -- | -- | -- | -- | -- | -- |
| Spain | -- | -- | -- | -- | -- | 9 | -- | -- |
| Sweden | -- | 650 | -- | -- | -- | -- | 35 | 92 |
| Switzerland | -- | -- | -- | 16 | -- | -- | -- | -- |
| Taiwan | 580 | 580 | -- | -- | -- | -- | -- | 2 |
| United Kingdom | -- | 6 | -- | -- | -- | -- | 153 | 1,070 |
| Venezuela | -- | -- | -- | 13 | -- | -- | -- | -- |
| Total | 5,650 | 33,300 | 954 | 4,440 | 433 | 2,510 | 633 | 4,910 |

1/ Data are rounded to three significant digits; may not add to totals shown.

2/ Includes manganese-aluminum, some other alloys, and waste and scrap.

Note: Exports of ferromanganese with more than 2% carbon totaled 186 tons, of which 155 tons went to Canada and 31 tons went to Mexico, to give a year to date total of 883 tons.

Source: Bureau of the Census.

TABLE 7
U.S. FOREIGN TRADE IN SELECTED MANGANESE CHEMICALS IN JUNE 1997, BY CLASS 1/

| Class | Gross weight (metric tons) | Value 2/ (thousands) | Principal sources and destinations: gross weight (metric tons); value (thousands) 2/ | Year to date | | |
|---|-------------------------------|-------------------------|---|-------------------------------|-------------------------|---|
| | | | | Gross weight (metric tons) | Value 2/ (thousands) | Principal sources and destinations: gross weight (metric tons); value (thousands) 2/ |
| Imports for consumption: | | | | | | |
| Manganese oxides other than dioxide | 116 | \$253 | Norway 40; \$27 | 627 | \$1,170 | South Africa 179; \$487 |
| Sulfates, basket category, including manganese sulfate | 3,280 | 1,860 | Mexico 2,060; \$1,070 | 13,800 | 8,740 | Mexico 9,210; \$4,790 |
| Potassium permanganate | 223 | 445 | Czech Republic 72; \$143 | 937 | 1,840 | Czech Republic 378; \$740 |
| Manganites, manganates, and other permanganates | -- | -- | -- | 33 | 556 | Germany 32; \$544 |
| Exports: | | | | | | |
| Manganese dioxide | 279 | 351 | Canada 76; \$27 | 2,080 | 2,030 | Canada 1,100; \$428 |
| Manganese oxides other than dioxide | 1,370 | 804 | Mexico 874; \$376 | 4,920 | 3,910 | Canada 2,070; \$945 |
| Sulfates, basket category, including manganese sulfate | 1,840 | 1,030 | Canada 1,140; \$341 | 11,600 | 6,620 | Canada 8,790; \$3,030 |
| Potassium permanganate | 50 | 117 | Canada 18; \$33 | 280 | 600 | Germany 94; \$212 |
| Manganites, manganates, and other permanganates | 39 | 338 | Germany 18; \$127 | 122 | 1,070 | Germany 54; \$380 |

1/ Data are rounded to three significant digits.

2/ For imports, Customs value; for exports, f.a.s. value.

Source: Bureau of the Census.